



# राजपत्र, हिमाचल प्रदेश

(असाधारण)

हिमाचल प्रदेश राज्य शासन द्वारा प्रकाशित

शिमला, मंगलवार, 9 नवम्बर, 2004/18 कार्तिक 1926

हिमाचल प्रदेश सरकार

विभागीय परीक्षा बोर्ड फेयरलान, शिमला-171012

अधिसूचना

शिमला-171012, 22 सितम्बर, 2004

संख्या हिपा (परीक्षा) 12/75-14.—हिमाचल प्रदेश विभागीय परीक्षा नियम, 1997 के उप-नियम 24(2) द्वारा प्रदत्त शक्तियों का प्रयोग करते हुए, जोकि हिमाचल प्रदेश सरकार के कार्मिक विभाग (प्रशिक्षण एवं समनुदेशन) द्वारा जारी की गई अधिसूचना संख्या का (प्रशि0) (बी0) (12) - 40/95, दिनांक 13-3-1997 द्वारा अधिसूचित किया गया है, हिमाचल प्रदेश विभागीय परीक्षा बोर्ड एतद्वारा हिमाचल प्रदेश लोक सेवा आयोग के परामर्श से, विभागीय परीक्षा नियम, 1997 में हिमाचल प्रदेश सरकार के अग्नि शमन विभाग तथा पर्वतारोहण संस्थान के पाठ्यक्रमों को सम्मिलित किया जाता है। बोर्ड यह भी निदिष्ट करता है कि विभागीय परीक्षा नियम, 1997 की संलग्न अनुसूची D<sup>1</sup> तथा E<sup>1</sup> पर विभागीय परीक्षा के इन पाठ्यक्रमों को राजपत्र में अधिसूचित तिथि से प्रतिस्थापित समझा जाए।

1. संक्षिप्त नाम और प्रारम्भ.—(i) इन नियमों का संक्षिप्त नाम हिमाचल प्रदेश विभागीय परीक्षा (पञ्चम संशोधन) नियम, 2004 है।

(ii) ये नियम राजपत्र, हिमाचल प्रदेश में प्रकाशन की तारीख से प्रवृत्त होंगे।

2. नियम 24 (1) का संशोधन—पर्व तथा पाठ्यक्रम.—नियम 24 के उप-नियम 1 के विद्यमान उपबन्ध के विरुद्ध दो विभागों अग्नि शमन (पर्व संख्या 3, 4 व 5 (परिशिष्ट-i) पर्वतारोहन संस्थान : पर्व संख्या-3 (परिशिष्ट-ii), जोकि अनुसूची D<sup>1</sup> व E<sup>1</sup> नियमों में परिशिष्ट किए गए हैं, द्वारा प्रतिस्थापित किया जाता है।

आदेश द्वारा,

हस्ताक्षरित/-  
सचिव।

## H. P. BOARD OF DEPARTMENTAL EXAMINATIONS FAIRLAWNS, SHIMLA-171012

### NOTIFICATION

*Shimla-171012, the 22nd September, 2004*

**No. HIPA (Exams) 12/75-14.**—In exercise of the powers conferred by Rule 24 (2) of H. P. Departmental Examination Rules, 1997 as notified by Government of Himachal Pradesh Department of Training & Foreign Assignment *vide* Notification No. Per (Trg.) B (12)-40/95, dated 13-3-1997, the Board of Departmental Examinations Himachal Pradesh, in consultation with the Himachal Pradesh Public Service Commission hereby inserts new Syllabus for the Departmental Examinations in respect of Fire Service and Mountaineering Institute Departments. The Board further orders that on the date of issue of the present Notification, the syllabus of these two departments shall stand inserted in Schedule D and E attached to the Departmental Examination Rules, 1997, namely:—

1. *Short title and commencement.*—(i) These Rules shall be called the Himachal Pradesh Departmental Examinations (Fifth Amendment) Rules, 2004.

(ii) These Rules shall come into force from the date of publication in Rajpatra Himachal Pradesh.

2. *Amendment of Rule 24 (1)—Paper and Syllabus.*—For the existing provisions against sub rule (1) of Rule 24.—

The new syllabus inserted in schedule D and E for the two departments:

Fire Service : Paper No. 3,4,5 (Annexure-I)  
Mountaineering Institute Paper No. 3 (Annexure-II).

By Order,

Sd/-  
Secretary.

ANNEXURE—I

FIRE SERVICES DEPARTMENT

PAPER-3—FIRE SERVICES:

1. Need of fire services, organisation, aim and objects training and functions.

2. Role of Home Guards as Auxiliary Force to Fire Services.
3. Maintenance, superintendence and control, recruitment and promotion rules of the gazetted officers and other members of the services.
4. Duties of various ranks of fire services.
5. H. P. Fighting Services Act/Bill, 1984, fire prevention measures and powers of the members of the fire Services during outbreak of fire fighting and fires and while performing the fire prevention duties.
6. Manner of receipt of fire calls and special service calls in the control room. Mounting of various fire appliances response time, surveying the incidence spot and duties of the Fire Fighting or rescue/special service operation Officer incharge and use of communication apparatus/equipments.
7. Preparation of Training Programme for course as follows:—
  - (a) Basic Fireman's course at State Fire Training Centre.
  - (b) Lead Fireman's course at State Fire Training Centre.
  - (c) Driver-cum-Pump Operator's Course at State Fire Training Centre.
  - (d) Refresher Course for above courses at State Fire Centre.
  - (e) Elementary Fire Fighting course at National Fire Services College, Nagpur.
  - (f) Sub-Officer's (certificate) course at National Fire Service College, Nagpur.
  - (g) Station Officer and Instructor's (Diploma) course at National Fire Service College, Nagpur.
  - (h) Divisional Officer's course (Ad-Di.) at National Fire Service College, Nagpur.
  - (i) Breathing Apparatus Course at National Fire Service College, Nagpur.
8. Explanation of stores types, prescribed life of fire appliances and equipment under normal usages and responsibilities of the Officer holding the charge of store.
9. Maintenance of ledgers and supporting vouchers.
10. Indenting, fabrication of fire, appliances and procurement of fire fighting equipment in accordance with specifications.
11. Special service and rescue equipment, local purchases, receipts, issues and periodical stock verification of stores.
12. Uniform pattern in Fire Services, description of badges of ranks and life/putridity of each item of uniform.
13. Care and maintenance of Fire Appliances and equipment.

#### PAPER-4:

1. Why Fire Services is necessary ?
2. Problems likely to crop in case of outbreak of fire and other natural calamities.
3. Fire services organisation in a town.
4. Various fire services in the country.
5. Air crafts fire fighting and rescue.
6. Fire fighting arrangements during the visit of VVIP.
7. Protection against explosives, hazardous goods and radio active substances.
8. Use of First Aid Fire Fighting Equipment and installations.
9. General principles of rescue, knowledge and use of rescue equipment, ladders, ropes and special appliances.
10. Improvised methods of rescue.
11. Fire Services Act and Rules.

#### PAPER-5 :

1. Principles of combustion and heat.
2. Nature of injuries and problems to be faced by a first aider.

3. Arose, investigation and detection of fires.
4. Fire 'safety legislation' and inspection.
5. Court of Law, summoning of witnesses, preparation of cases arising out of enmity, fraud, communal and other disturbances, action to be taken at the place of accident, cases suspected to be that of an attempt to murder by drawing, burning giving evidence in court of law, writ cases before high court, method of giving evidence, introduction of official documents records or other exhibits, mischief by fire explosive substances with intend to destroy house property etc. cross examination certificate of attendance in a court, perjury, structures by court sections 174, 193, 194, 307, 309, 435, 436 of IPC and 61, 62, 66, 156, 157, 174 and 350 of CPC related with fire accidents.
6. Subjects including of course equivalent to and prescribed by the institute of Fire Engineers of India, Delhi.

## ANNEXURE—II

## MOUNTAINEERING INSTITUTE

## PAPER-3 :

## MOUNTAINEERING, OUTWARD BOUND, CAMPING AND ALLIED.

## 1. ROCK CLIMBING :

- (a) Equipments, its care, maintenance and use.
- (b) Do's and don'ts.
- (c) Principles.
- (d) Clothings.
- (e) Grades of Rocks, their various names.
- (f) Belay & Anchor—principles, Cells and Do's and Don'ts.
- (g) Rock formation and Different types of Rocks.
- (h) Rappelling—its kinds and Principles.
- (i) Piton Craft Direct Aid Climbing.

## REFERENCE BOOKS:

- (i) Climbing—James Love Lock.
- (ii) Freedom of Hills—By Peggy Ferber (editor).
- (iii) Formation of Earth (Physical Geography).
- (iv) Any other books on the above subjects.

## 2. SNOW AND ICE CLIMBING:

- (a) Equipment, its care, maintenance and use.
- (b) Climbing in snow, different kinds of snow.
- (c) Climbing in Ice.
- (d) Negotiating a Glacier, Ice fall, Principles of Glacier Travel, Camping on Glacier, Crevasse Crossing and Rescue.
- (e) Different types of Glacier, their formation and movements etc. etc
- (f) Acclimatization and its Principles.

## REFERENCE BOOKS:

- (i) Freedom of Hills—By Peggy Ferber.
- (ii) Mountaineering—By William B. Mc. Morris.
- (iii) Himalaya the Aspect of Change—By J. S. Lall and D. A. Moddie.

### 3. MOUNTAIN WALKING:

- (a) Preparation.
- (b) Clothing and Equipment.
- (c) Camping and Sleeping.
- (d) Navigation.
- (e) Wilderness Travel.
- (f) Principles and Mountain Walking.
- (g) Mountain Manners and Customs.
- (h) Do's and Don'ts of Mountain Walking.

#### REFERENCE BOOKS:

- (i) Freedom of Hills—By Peggy Ferber.
- (ii) Mountaineering—By William B. Mc. Morris.

### 4. CLIMBING FUNDAMENTALS :

- (a) Equipment, their make, types, advantages and disadvantages of different makes.
- (b) Rope, its type, use, knots, breaking strength etc.
- (c) Leadership qualities on the mountain.
- (d) Do's and Don'ts in the Himalaya.
- (e) Team Management.

#### REFERENCE BOOKS:

- (i) Freedom of Hills—By Peggy Ferber.
- (ii) Outward bound—By Devid James.

### 5. MAP READING:

- (a) Map Reading equipment.
- (b) Different types of Maps.
- (c) Different types of Compasses.
- (d) Grids.
- (e) Contours.
- (f) Conventional signs as used by Survey of India.
- (g) Setting of Map.
- (h) Map to ground' (finding out on as own position).
- (i) Norths—Grid Magnetic and True.
- (j) Navigation—Day—Night.
- (k) Field Sketching.
- (l) Scales, R. F, Simple Divided.

#### REFERENCE BOOKS:

- (i) Manual of map reading, Air photo .. By Command of Army Council.  
reading and Field sketching parts—I,  
II & III.
- (ii) Know the game map reading .. Ministry of Defence By Kladdington  
& Ledger.

### 6. OUT—WARD BOUND :

- (a) History of Outward bound.
- (b) The aims of outward bound.

- (c) Leadership qualities.
- (d) Testing of I.Q.
- (e) Individual obstacles, group obstacles.
- (f) Fundamentals of oration.
- (g) Competitions.
- (h) Jungle Craft, Bush Craft.
- (i) Navigation Day and Night.

#### REFERENCE BOOKS:

- (i) Outward bound .. By David James.
- (ii) The Book of Adventure .. By Vanguard.
- (iii) The Scouting in India .. By Scouts HQ Chankyapuri.

#### 7. SURVIVAL:

- (a) The Principles of Survival.
- (b) Survival in the Wilderness.
- (c) Survival in the snow.
- (d) Different kinds of shelters in jungle, alps and snowbound areas.
- (e) Edible plants of Himalayas.

#### REFERENCE BOOKS:

- (i) Freedom of Hills .. By Peggy Ferber.
- (ii) Edible Plants of Himalayas .. By Forest Research Institute, Dehradun.
- (iii) Mountain Rescue .. By Hamish MacInnes.

#### 8. WEATHER:

- (a) Clouds of all kinds.
- (b) Weather Modification instruments and their uses.
- (c) Precipitation management.
- (d) Severe storms.
- (e) Climate change.
- (f) Other problems.

#### REFERENCE BOOKS:

- (i) Weather and Climate Modification .. By W. N. Hess.
- (ii) Clouds study in Colour .. By R. S. scorer & Waxler.

#### 9. GENERAL SUBJECTS:

- (a) Himalaya and its Geological aspects.
- (b) History of Everest and other eight thousanders.
- (c) Mountains of the world.

#### REFERENCE BOOKS:

- (i) Himalaya the aspect of change. .. By J. S. Lall and A. D. Moddie.
- (ii) Collins Guide to Mountains .. By John Cleare.

## 10. MOUNTAIN RESCUE:

- (a) Avalanches.
- (b) Avalache search.
- (c) Rescue equipment.
- (d) Call-out procedure.
- (e) Bivouace.
- (f) Ski Rescue.
- (g) River Crossing.
- (h) Search lights and lighting system.
- (i) Radio Communication.

### REFERENCE BOOKS:

- (i) Freedom of Hills .. By Peggy Ferber.
- (ii) International Mountain rescue hand .. By Hamish MacInnes.  
book.

## 11. FIRST AID:

- (a) Man and the Mountain environment.
- (b) Respiratory control.
- (c) Ventilators response to Hypoxia.
- (d) Temperature Regulation.
- (e) Mans reaction to cold.
- (f) Acclimatization and deterioration at altitude.
- (g) High altitude Pulmonary Dedema.
- (h) Cold injuries.
- (i) Forsted bite and immersion injure.
- (j) Accidents. | |
- (k) Fractures.
- (l) Wounds and bleeding.

### REFERENCE BOOKS:

- (i) Freedom of Hills .. By Peggy Ferber.
- (ii) Mountain Medicines .. By Micheel Ward.

## 12. EXPEDITION AND RESCUE OPERATIONS:

- (a) Detailed Planning of a Mountaineering Expedition. |
- (b) Detailed Planning of a rescue operations.

### REFERENCE BOOKS:

- (i) Any expedition book] .. By Criss Bonington. : |
- (ii) Mountain Rescue .. [By Hamish MacInnes.

## PAPER—3 SKING :

1. Different types of Ski equipment and its classification.
2. Organisation of class.
3. Putting on Ski/Poles, climbing steps, walking and sliding, kick turn, fall and recovery, snow plough turn, traversing, sides slips, stem turn, basic swing, parallel

turn mogul skiing edging, wilding Hop turn, carved and skidded turn, skiing in deep power.

4. Ski terminology. ]
5. Ski lift,
6. Waxing.
7. Emergencies: ]

(a) A valance;

(b) Injuries.

8. Care and maintenance of Ski equipment.
9. Skiing competition Rules:

(i) Joint regulations for all ski competitions

(ii) Skiing events for Nation and International competitions ;

A. Alpine Events:—Disqualification, protest and appeals.

1. Down Hill = Course—Men's & Women's Course—control gate rules.
2. Slalom = Course—Men's & Women's course —Starting—Racing—Rules.
3. Giant Slalom= Course—Men's & Women's course—Starting Racing—Rules.
4. Alpine combined event.

B. Nordic Events:—Disqualification, protest and appeals:-

1. Cross country race—Course—Start—finish—Race Rule
2. Ski Jumping—Jumping hill—Race Rules.
3. Nordic combined.

10. Biathlon

Different types of events:

1. Course—marking—shooting—equipment/weapons.
2. Procedure on the Course/at the firing range—penalties—targets.
3. Disqualification—protest and appeals.
4. Role of organising committee, technical committee and jury.

## REFERENCE BOOKS:

- |                         |  |
|-------------------------|--|
| 1. Skiing for beginners | .. By Maurice Tugwell                  |
| 2. Let's go skiing      | .. By Dennis Nelson & Sally Gordon.    |
| 3. We learned to ski    | .. By Coolings.                        |
| 4. Rules of the game    | .. By Diagram Group.                   |
| 5. F.I.S. Rules         | .. By Federation of International Ski. |

## PAPER—3 WATER SPORTS ACTIVITIES:

### 1. SWIMMING:

- (a) Definition different types of swimming viz: Breast stroke, back stroke, free style, butterfly, medley-individual both in still and fast flowing water of 100 mtrs. Length.
- (b) Swimming racing rules and composition of swimming competition Committee.



## 2. WATER SAFETY AND RESCUE:

- (a) Personal floating devices (PFD), life saving devices viz: Styrofoam device, small inflatable tube belt, plastic bottles, kick board, life preserve, buoyancy-vest buoy and cushion.
- (b) Practical rescue in water and accident drill.

## 3. SAILING:

- (a) Terminology in sailing.
- (b) Different types of sail boats.
- (c) Rigging of different sail boats, launching. All points of sailing heaving to, coming a shore and picking up man over board.
- (d) Requirement for boat-buoyancy and personal—buoyancy.
- (e) Sailing racing rules of the boat and setting of race course and committee vessel and to act as race officer.
- (f) Knowledge of action to be taken if a float in a boat and over-taken by a sudden storm.
- (g) Knowledge of weather forecasting.
- (h) Map reading and contouring.
- (i) Maintenance, care and repairs of sail and parts of sail boat.

## 4. KAYAKING/CANOEING:

- (a) Terminology in Kayaking/Canoeing and its uses.
- (b) Safety rules for the canoeist/kayaker.
- (c) Do's and Don't's in canoeing/kayaking.
- (d) Boat and personal floating devices.
- (e) Canoeing/kayaking in internal rapid river grading system to Grade-VI.
- (f) Principles of the paddle strokes.
- (g) Rescue technique in kayaking/canoeing.
- (h) Complete knowledge of the following terms:
  - (i) Standing waves.
  - (ii) Collapsed waves.
  - (iii) Rapid.
  - (iv) White water.
  - (v) Stoppers.
  - (vi) Eddy and
  - (vii) Ferry gliding.
- (i) Complete knowledge of canoeing/kayaking races both in still and while water, its length, specifications, composition of organising committee with rules and regulations.
- (j) Knowledge of following races up to grade—IV:—
  - (i) Down river water racing.
  - (ii) Long distance water racing.

- (k) Eskimo roll till righting a capsized kayaks/canoes upto grade III.
- (l) Knowledge of canoe/kayaks its maintenance and repairing.

#### 5. ROWING:

- (a) Terminology in rowing.
- (b) Difference in rowing and sculling.
- (c) Assembly and rigging of row boat.
- (d) Entry and control of slide in row boat.
- (e) Coordination and rhythm.
- (f) Skill of handling and balancing boats' oar's and timing.
- (g) Knowledge of single scull, cox-less pair, coxed pair, coxed four and cox-less four rowing boats.
- (h) Specification of row boats and oars.
- (i) Rules of the rowing races and composition of race committee from start to finish life.

#### 6. SURFING AND WATER SKIING:

- (a) Definition of skiing.
- (b) Essential equipment for water skiing with its specifications viz. water skis, boat, ropes, life jackets, handles.
- (c) Different types of water skiing start:—
  - (i) The beach start.
  - (ii) The dock start.
  - (iii) Deep water start.
  - (iv) Scooter start.
- (d) Criss—crossing, wave crossing and slalom.
- (e) Mono Skiing—principles.
- (f) Trick Skiing.
- (g) Jumping.
- (h) Types of water skiing bindings.
- (i) Safety recommendation and rules for safe water ski.
- (j) Signals from skier to driver.

#### 7. SURF BOARD RIDING:

Balancing, releasing the rope and handle etc. etc.

#### 8. WIND SURFING:

Balancing and handling.

#### 9. REETING:

Different kinds of rafts, preparation of rafts for use, its launching in white and still water handling precautions and rescue etc.

10. MOTOR BOATS:

- (a) Types of boats.
- (b) Types of engines.
- (c) Use of motor boats.
- (d) Running and maintenance of engines.

REFERENCE BOOKS:

- |  |                            |
|--|----------------------------|
| 1. The Oxford Companion to Sports and Games. | .. Edited By Jhone Arlott. |
| 2. Swimming and Diving                       | .. By Harvey D. Torbett.   |
| 3. Guide to skiing KTG                       | .. By K. Despond.          |
| 4. Sailing                                   | .. By Petter Scott.        |
| 5. Surf and Water Safety                     | .. By F. Margan.           |
| 6. Life saving for teenager                  | .. By Mr. Collier.         |
| 7. Modern Rowing                             | .. By Paul Wilson.         |
| 8. Teaching Aquatics                         | .. By John A. Torreyjr.    |

